BTL-06 Commonly used programs

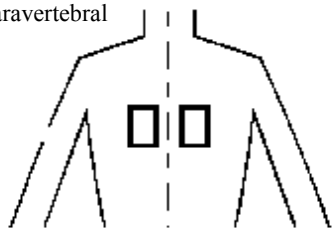
Diagnosis	Program №	Type of current	Time in min.	Intensity	Note
Abbreviated muscles	0349	Rectangular pulses sym. f=100 Hz, 5/10	6	above threshold motor	V
Arteriosclerosis	1831	TENS burst - imp.0.1 ms, f=100 Hz, burst f=1 Hz	15	above threshold sensitive	P,T
Arthritis -- prevailing pain	0964	2-pole interf. - FM 50-100 Hz, cont. 6/0/6	12	threshold sensitive	T
Arthritis -- prevailing pain	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	at the highest tolerable level	T
Arthritis -- swelling prevails	0162	Diadynamic - CP ISO - base 0.5 mA	12	threshold to above threshold sensitive	T*1
Arthritis of a shoulder joint chronic	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	at the highest tolerable level	T, EL
Arthritis of a shoulder joint subacute	0926	2-pole interf. - FM 100-150 Hz, steps 3/3	12	above threshold sensitive	T
Arthritis of a shoulder joint subchronic	0826	4-pole interf. - FM 100-150 Hz, steps 3/3	12	above threshold sensitive to threshold motor	K
Atonic bladder	0862	4-pole interf. - FM 0-100 Hz cont. 6/0/6	10	threshold sensitive	A
Buerger disease, ischemic disease of lower limbs	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	threshold sensitive to the highest tolerable level	A
Buerger disease, ischemic disease of lower limbs	0133	Diadynamic - CP - base 1 mA	20 - 25	threshold motor	A
Cellulitis -- deep fat layers	0854	4-pole interf. - FM 60-100 Hz, cont. 5/1/5	15	above threshold motor	K*3
Cellulitis -- superficial fat layers	1901	Diadynamic - DF 0112 + CP ISO 0161	1 + 8	above threshold sensitive+ threshold motor	V*2
Contracture after immobilisation	0813	4-pole interf. - FM 30-60 Hz, steps1/1	5 - 15	above threshold sensitive to the highest tolerable level	K*9
Contracture after immobilisation	0913	2-pole interf. - FM 30-60 Hz, steps 1/1	10 - 20	above threshold sensitive to the highest tolerable level	T*9
Coxarthritis	0834	4-pole interf. - FM 60-100 Hz, steps 6/6	15	above threshold sensitive to below threshold motor	K
Coxarthritis	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	threshold sensitive	T, P*4
Distortion, peracute	0001	Galvanic	20 - 30	threshold sensitive	T*5
Distortion, subacute	1902	Diadynamic - DF 0111 + CP ISO 0161	1 + 8	threshold sensitive + threshold motor	T*6
Distortion, subchronic	0852	4-pole interf. - FM 0-100 Hz, cont. 5/1/5	10 - 20	min threshold motor	K*7
Enfeebled abdominal muscles	0823	4-pole interf. - FM 30-60 Hz, steps 3/3	5 - 15	at threshold to above threshold motor	K
Enfeebled fazic muscles	0255	Rectangular pulses 1 ms unipolarity f= 150 Hz, 3/6	10	above threshold motor	V
Enfeebled tonic muscles	0239	Rectangular pulses 1 ms unipolarity f= 50 Hz, 5/10	10	above threshold motor	V
Epicondylitis bilateral	0845	4-pole interf. - FM 90-140 Hz, cont. 3/3/3	10	above threshold sensitive to threshold motor	A
Epicondylitis radialis (ulnaris)	0955	2-pole interf. - FM 90-140 Hz, cont. 5/1/5	15	threshold motor	A
Epicondylitis radialis (ulnaris)	0945	2-pole interf. - FM 90-140 Hz, cont. 3/3/3	10	threshold motor	A
Haematoma, contusion	0814	4-pole interf. - FM 60-100 Hz, steps 1/1	12	threshold to above threshold motor	K
Haematoma, contusion	0343	Rectangular pulses sym. - sine modulated with f=100 Hz, 3/3	10	threshold motor	V
Herpes zooster	1425	TENS cont. - pulses 0.05 ms, f=100 Hz.	20	above threshold sensitive to the highest tolerable level	A
Herpes zooster	0131	Diadynamic CP - without base	4	at the highest tolerable level	A
Intophoresis	0001	Galvanic	20 - 60	threshold sensitive	T*8
Joint hydrops, hemathrosis	0915	2-pole interf. - FM 90-140 Hz, steps 1/1	12	above threshold sensitive to the highest tolerable level	T
Joint hydrops, hemathrosis (subacute)	0815	4-pole interf. - FM 90-140 Hz, steps 1/1	12	above threshold sensitive to the highest tolerable level	K
Lumbago without root stimulation	1617	TENS - sym. pulses 0.1 ms randomly around f=200 Hz	20	above threshold sensitive to below threshold motor	P
Lumbago without root stimulation	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	at the highest tolerable level	A, EL
Menstruation pain	1615	TENS - sym. pulses 0.1 ms randomly around f=100 Hz	15	above threshold sensitive	P
Morbus Burger	1526	TENS - asym. pulses 0.05 ms, f=150 Hz	15	at the highest tolerable level	A
Morbus Osgood -- Schalter	1903	Diadynamic - DF 0112 + CP ISO 0162	1+5	to above threshold sensitive + threshold motor	A

Comment

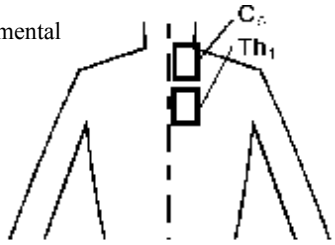
*1 Change poles after 6 min.
*2 CP ISO change poles after 4 min. -- preprogrammed
*3 Allows to change intensity during therapy session
*4 Step 5 min.
*5 Step 5 min., 3 times a day
*6 CP ISO change poles after 4 min. -- preprogrammed
*7 Increase intensity during therapy session
*8 Max. density of current 0.1 mA/cm^2
*9 Step 2 min.
*10 CP ISO change poles after 4 min. -- preprogrammed
*11 Sterile conditions should be respected
*12 Patient excercises active contractions during therapy
*13 4-pole application
*14 Do not apply in porosis area
*15 Do not use with acute stages
*16 Step 1 min.
*17 No contraction in acute stages are allowed

Placement of electrodes

P- paravertebral

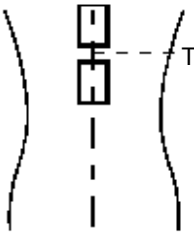


S - segmental



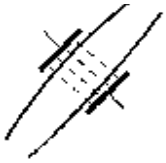
BTL-06 Commonly used programs

Diagnosis	Program №	Type of current	Time in min.	Intensity	Note
Muscular contracture	0359	Rectangular pulses sym. - sine modulated with f=150 Hz , 5/10	6	threshold motor	V
Muscular distension	0946	2-pole interf. - FM 100-150 Hz, cont. 3/3/3	7	threshold motor	T*15
Myalgia	0853	4-pole interf. - FM - 30-60 Hz, cont. 5/1/5	8	threshold to above threshold motor	K
Myalgia -- phasic muscle	1643	TENS - sym. pulses 0.1 ms, f=100 Hz, 3/3	10	threshold or above threshold motor	V
Neuralgia	1425	TENS - alternate pulses 0.05 ms, f=100 Hz	20	above threshold sensitive	A
Neuralgia	1415	TENS - alternate pulses 0.05 ms, randomly around 100 Hz	20	above threshold sensitive to threshold motor	T
Occipital neuralgia (tensional cephaleis)	1415	TENS - alternate pulses 0.05 ms, randomly around 100 Hz	15	above threshold sensitive to the highest tolerable lev	A
Occipital neuralgia (tensional, anteflex cephaleis)	0835	4-pole interf. - FM 90-140 Hz, steps 6/6	12	above threshold sensitive	K, A
Occipital neuralgia (tensional, anteflex cephaleis)	0865	4-pole interf. - FM 90-140 Hz, cont. 6/0/6	12	above threshold sensitive	A
Occipital neuralgia (tensional, anteflex cephaleis)	1333	TENS burst - sym. 5 pulses 0.05 ms, f=100 Hz, burst f=10 Hz	15	at the highest tolerable level	A
Oedema (non inflammatory)	0814	4-pole interf. - FM 60-100 Hz, steps 1/1	10	above threshold sensitive to threshold motor	K
Oedema (non inflammatory)	1904	DF current prog. 0111 + CP ISO current prog. 0161	1 + 8	above threshold sensitive + above threshold motor	T*10
Osteoporosis	1419	TENS - alternate pulses 0.05 ms, randomly around 1000 Hz	20	at (or below) threshold sensitive	A
Postoperative enfeebled muscles	0714	Kotz - carrier f=2.5 kHz, modulated 50 Hz, 10/30	10	threshold or below threshold sensitive	V*12
Postoperative pain	1525	TENS - asym. pulses 0.05 ms, f=100 Hz	15	above threshold sensitive	V*11
Postoperative pain	1325	TENS - sym. pulses 0.05 ms, f=100 Hz	15	threshold sensitive to the highest tolerable level	K*11
Postoperative weakness	0964	2-pole interf. - FM 50-100 Hz, 6/0/6	10	above threshold motor	V
Post-therapeutic neuralgia	1333	TENS b - 5 sym. pulses 0.05 ms, f=100 Hz, burst f=10 Hz	15	threshold to above threshold sensitive	A
Post-therapeutic neuralgia	1333	TENS b - 5 sym. pulses 0.05 ms, f=100 Hz, burst f=10 Hz	15	above threshold sensitive to the highest tolerable lev	T
Prolapse of an intervertebral disc	1617	TENS - sym. pulses 0.1 ms, randomly around f=200 Hz	20	threshold to above threshold sensitive	A
Ryanaud's disease	1728	TENS - alternate pulses 0.1 ms, f=250 Hz	30	above threshold sensitive	A
Ryanaud's disease, syndrom	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	above threshold sensitive	A*13
Ryanaud's disease, syndrom	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	above threshold sensitive	A
Shoulder joint inflammation	0956	2-pole interf. - FM 100-150 Hz, cont. 5/1/5	12	threshold to above threshold sensitive	T
Spondylitis ankylopoetica - M.Bechterev	0915	2-pole interf. - FM 90-140 Hz, steps 1/1	12	at the highest tolerable level	A
Spondylitis ankylopoetica - M.Bechterev	0002	Träbert - rectangular pulses 2 ms, break 5 ms	15	above threshold sensitive to threshold motor	V
Stiff shoulder	1532	TENS b - 5 asym. pulses 0.05 ms, f=100 Hz, burst f=5 Hz	15	at the highest tolerable level	A
Stiff shoulder	1525	TENS - asym. pulses 0.05 ms, f=100 Hz	15	above threshold sensitive	A
Strengthening of fazic muscles	0723	Kotz - carrier f=2.5 kHz, modulated 100 Hz, 10/10	5	above threshold motor	V
Strengthening of tonic muscles	0712	Kotz - carrier f=2.5 kHz, modulated 50 Hz, 4/30	10	above threshold motor	V
Sudeck's dystrophy (algodystrophic syndrome)	1426	TENS - alternate pulses 0.05 ms, f=150 Hz	12	above threshold sensitive	S, A*13
Sudeck's dystrophy (algodystrophic syndrome)	1426	TENS - alternate pulses 0.05 ms, f=150 Hz	12	above threshold sensitive	V, A*14
Tendovaginitis	0944	2-pole interf. - FM 50-100 Hz, cont. 3/3/3	10 - 17	threshold sensitive	V, A*17
Tendovaginitis (subacute)	0942	2-pole interf. - FM 0-100 Hz, cont. 3/3/3	10 - 17	threshold sensitive	V, A*16
Tension cephaleis (occipital neuralgia, one sided)	1832	TENS b - 5 asym. pulses 0.1 ms, f=100 Hz, burst f=5 Hz	15	above threshold sensitive to the highest tolerable lev	V
Torn muscle	0944	2-pole interf. - FM 50-100 Hz, cont. 3/3/3	7	threshold motor	V
Trigger points superficial	0111	DF current	2 min./point	threshold motor	T
Trigger points, deep	0926	2-pole interf. - FM 100-150 Hz, steps 3/3	3 min./point	threshold motor	T

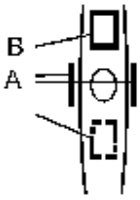


EL - classic placement according to Träbert, e.g. EL_3

T - transregional transverse



K - crosswise around treated area



B - back

A - atypical; please consult user's manual

V - next to each other